



# TRANSPORTATION HAZARD

A Transportation Hazard can involve road vehicles, trains, airplanes, or boats, and the characteristics of the hazard depend greatly on the vehicles involved. The hazard may involve one vehicle or many vehicles. Although a Transportation Hazard event can occur nearly anywhere, affected areas are typically in close proximity to roadways, railways, or other locations with high levels of vehicle traffic areas. Because dangerous substances are often moved from one place to another via truck, train, or ship, Transportation Hazards can involve the release of hazardous materials including combustible, explosive, radiological, biological, or otherwise toxic substances.



## HAS IT HAPPENED LOCALLY?

There have been 786 Transportation Hazard responses requiring extrication or rescue and an additional 960 vehicle fire responses in Howard County between 2008-2013. There were over 182 Transportation Hazard responses conducted by the Howard County Department of Fire and Rescue Services between 2014-2019. In total, there were a combined 1,928 Transportation Hazard events during the review period of 2008-2019.

## WHAT IS THE ONGOING RISK?

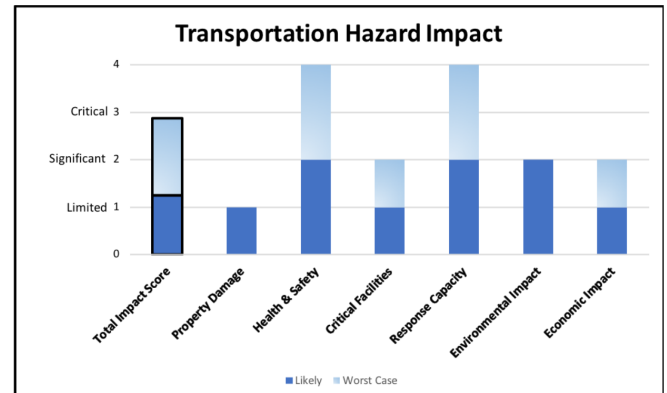
There is an expected 100% Chance of Annual Occurrence of a Transportation Hazard in Howard County. In the most likely Transportation Hazard scenario, the Total Impact is considered Limited-Significant. In the worst-case scenario, the Total Impact is considered Significant-Critical.

## DID YOU KNOW?

- In 2012, a CSX train derailed in Ellicott City, fatally burying two bystanders. The derailment caused an estimated \$2.2 million in damages.
- Transportation Hazards involving water vehicles are unlikely in Howard County. There are no large bodies of water in the County and the small lakes and reservoirs within the planning area do not allow motorized water vehicles.

## FOR MORE INFORMATION:

- [Howard County Hazard Identification and Risk Assessment](#)
- [National Transportation Safety Board](#)
- [U.S. Department of Transportation Bureau of Transportation Statistics](#)



Transportation Hazard Risk Profile				
	Risk Assessment Category	Likely Hazard Scenario	Worst-Case Hazard Scenario	Weight
LIKELIHOOD	Likelihood	3.75 Likely- Very Likely		50%
	Impact	1.2 Limited-Significant	2.8 Significant-Critical	40%
CONSEQUENCE	Warning Time	4 Short	4 Short	5%
	Duration	2 Moderate	3 Long	5%
TOTAL RISK SCORE		2.6	3.3	

